

ABSTRACT OF THE DISCLOSURE

An irrigation system (10) for conveying a fluid to a region (A) is provided. The irrigation system (10) comprises a main irrigation portion (16) having an end irrigator span (44). A corner irrigator span (42) extends radially from the end irrigator span (44). A control system (90) controls movement of the corner irrigator span (42). The control system (90) includes a linear movement control system (92) to control a corner drive unit (72) of the corner irrigator span (42) and a steering control system (94) controls a steering unit (74) of the corner irrigator span (42). The steering control system (94) includes a controller (100) that receives control signals from four electrical generators (102,104,106,108) to control the steering unit (74) such that the corner irrigator span (42) follows along an outer boundary (B) of the region (A). At least one of the electrical generators (102,104,106,108) is an electronic compass (104) for sensing a reference signal to determine a primary control position (P) of the main irrigation portion (16).